**Supplementary Table 23. Gene expression values of DEGs involved in metabolism-related terms in the pancreas.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Gene category** | **Ensemble ID** | **Symbol** | **No feeding group (Mean CPM)** | **Suckling group (Mean CPM)** | **Adult group (Mean CPM)** |
| Carbohydrate metabolism and energy production related genes | ENSAMEG00000001051 | COX7A1 | 5.82  | 21.10  | 34.47  |
| ENSAMEG00000001230 | TCIRG1 | 4.10  | 3.39  | 23.49  |
| ENSAMEG00000002182 | ENSAMEG00000002182 | 20.97  | 33.26  | 47.81  |
| ENSAMEG00000002294 | NDUFA12 | 9.31  | 22.22  | 32.59  |
| ENSAMEG00000002493 | ENSAMEG00000002493 | 52.70  | 127.18  | 132.04  |
| ENSAMEG00000003326 | NDUFS7 | 16.14  | 27.73  | 49.86  |
| ENSAMEG00000003502 | ENSAMEG00000003502 | 23.16  | 43.04  | 74.00  |
| ENSAMEG00000003731 | COX6B2 | 0.28  | 0.63  | 1.15  |
| ENSAMEG00000004489 | ENSAMEG00000004489 | 14.64  | 29.93  | 39.08  |
| ENSAMEG00000004761 | NDUFB4 | 11.73  | 21.34  | 26.04  |
| ENSAMEG00000005090 | ATP6V1F | 14.34  | 40.63  | 40.28  |
| ENSAMEG00000005242 | ENSAMEG00000005242 | 46.19  | 85.32  | 114.47  |
| ENSAMEG00000006052 | CYC1 | 54.64  | 71.62  | 133.46  |
| ENSAMEG00000006153 | COX7B | 50.10  | 106.22  | 126.68  |
| ENSAMEG00000006540 | GLRX5 | 13.66  | 28.82  | 30.12  |
| ENSAMEG00000007287 | UQCRB | 25.32  | 63.62  | 70.26  |
| ENSAMEG00000007918 | ENSAMEG00000007918 | 16.17  | 32.08  | 45.46  |
| ENSAMEG00000009115 | ATP5PD | 35.94  | 67.58  | 90.90  |
| ENSAMEG00000009142 | FDX1 | 5.66  | 9.89  | 19.16  |
| ENSAMEG00000009428 | NDUFA6 | 20.50  | 38.13  | 53.55  |
| ENSAMEG00000010344 | NDUFS5 | 28.93  | 59.27  | 88.90  |
| ENSAMEG00000010930 | NDUFS6 | 16.73  | 34.29  | 54.53  |
| ENSAMEG00000010954 | NDUFA2 | 17.59  | 41.92  | 64.88  |
| ENSAMEG00000011040 | NDUFC1 | 6.65  | 15.96  | 19.04  |
| ENSAMEG00000011283 | ATP6V0E1 | 18.02  | 41.41  | 43.56  |
| ENSAMEG00000011470 | NDUFB7 | 21.08  | 42.79  | 52.04  |
| ENSAMEG00000011554 | TXNRD2 | 10.23  | 16.08  | 22.95  |
| ENSAMEG00000011765 | ENSAMEG00000011765 | 6.12  | 12.68  | 24.06  |
| ENSAMEG00000013441 | COX7C | 54.95  | 96.37  | 161.43  |
| ENSAMEG00000013945 | ENSAMEG00000013945 | 51.58  | 84.91  | 131.77  |
| ENSAMEG00000014373 | NQO2 | 7.90  | 9.24  | 23.02  |
| ENSAMEG00000015234 | PTGES2 | 13.15  | 24.16  | 52.97  |
| ENSAMEG00000015852 | NDUFB9 | 32.43  | 52.85  | 108.84  |
| ENSAMEG00000017762 | UQCRQ | 27.44  | 64.26  | 89.97  |
| ENSAMEG00000017980 | ATP6V0C | 33.91  | 62.32  | 80.18  |
| ENSAMEG00000018091 | COX8A | 31.74  | 60.30  | 67.79  |
| ENSAMEG00000018274 | ENSAMEG00000018274 | 98.92  | 162.87  | 275.30  |
| **Gene category** | **Ensemble ID** | **Symbol** | **No feeding group (Mean CPM)** | **Suckling group (Mean CPM)** | **Adult group (Mean CPM)** |
| Lipid metabolism related genes | ENSAMEG00000001014 | ENSAMEG00000001014 | 6.36  | 8.79  | 1.74  |
| ENSAMEG00000003097 | LIPC | 2.46  | 0.19  | 0.05  |
| ENSAMEG00000004472 | TSPO2 | 1.23  | 0.66  | 0.03  |
| ENSAMEG00000004937 | ANGPTL4 | 8.35  | 71.13  | 0.67  |
| ENSAMEG00000005131 | ABCA1 | 27.41  | 10.30  | 8.78  |
| ENSAMEG00000008662 | APOA1 | 267.61  | 178.67  | 77.73  |
| ENSAMEG00000010784 | ABCB11 | 1.26  | 0.08  | 0.05  |
| ENSAMEG00000012141 | SOAT2 | 2.47  | 0.30  | 0.08  |
| ENSAMEG00000012737 | APOC1 | 35.47  | 33.23  | 10.41  |
| ENSAMEG00000013086 | ENSAMEG00000013086 | 40.98  | 18.95  | 1.06  |
| ENSAMEG00000015443 | APOA2 | 22.96  | 31.61  | 0.05  |
| **Gene category** | **Ensemble ID** | **Symbol** | **No feeding group (Mean CPM)** | **Suckling group (Mean CPM)** | **Adult group (Mean CPM)** |
| Amino acid and protein metabolism related genes | ENSAMEG00000000748 | ENSAMEG00000000748 | 6.21  | 4.01  | 0.59  |
| ENSAMEG00000000994 | KNG1 | 11.81  | 0.30  | 11.03  |
| ENSAMEG00000001013 | HRG | 10.87  | 9.03  | 55.63  |
| ENSAMEG00000001036 | FETUB | 32.58  | 0.02  | 0.37  |
| ENSAMEG00000001303 | COL11A1 | 13.35  | 0.65  | 0.24  |
| ENSAMEG00000001740 | MME | 0.19  | 0.08  | 3.24  |
| ENSAMEG00000002015 | CELA1 | 1185.86  | 29049.67  | 177412.45  |
| ENSAMEG00000002069 | KCNQ1 | 20.52  | 20.11  | 128.32  |
| ENSAMEG00000002178 | ENSAMEG00000002178 | 26.53  | 5.50  | 47.14  |
| ENSAMEG00000002184 | COL14A1 | 56.60  | 16.18  | 7.89  |
| ENSAMEG00000002838 | ALDH4A1 | 26.37  | 17.26  | 69.77  |
| ENSAMEG00000003271 | ENSAMEG00000003271 | 1.51  | 1.25  | 7.12  |
| ENSAMEG00000003623 | GOT1 | 15.96  | 19.90  | 62.24  |
| ENSAMEG00000003734 | ENSAMEG00000003734 | 2.22  | 9.19  | 25.87  |
| ENSAMEG00000003817 | COL4A3 | 1.31  | 1.29  | 5.34  |
| ENSAMEG00000004014 | GLS2 | 2.15  | 2.23  | 326.01  |
| ENSAMEG00000004316 | WFDC2 | 25.39  | 33.02  | 86.59  |
| ENSAMEG00000004392 | COL15A1 | 23.58  | 11.98  | 5.18  |
| ENSAMEG00000004524 | COL9A2 | 3.11  | 1.91  | 0.16  |
| ENSAMEG00000004573 | ENSAMEG00000004573 | 1.12  | 0.42  | 0.16  |
| ENSAMEG00000005071 | ATP1A1 | 267.72  | 264.89  | 1097.35  |
| ENSAMEG00000005330 | DPP4 | 2.51  | 0.30  | 0.73  |
| ENSAMEG00000005506 | CPA2 | 561.81  | 3624.20  | 6168.95  |
| ENSAMEG00000005540 | ENSAMEG00000005540 | 4452.49  | 1750.85  | 71.45  |
| ENSAMEG00000006262 | ENSAMEG00000006262 | 3120.31  | 38740.99  | 141130.92  |
| ENSAMEG00000006334 | ENSAMEG00000006334 | 147.19  | 5065.09  | 33566.82  |
| ENSAMEG00000006411 | SERPINA5 | 5.50  | 0.65  | 9.86  |
| ENSAMEG00000006555 | COL21A1 | 7.59  | 2.69  | 0.73  |
| ENSAMEG00000007161 | C3 | 179.76  | 16.41  | 96.05  |
| ENSAMEG00000007610 | ENSAMEG00000007610 | 1.06  | 0.44  | 0.16  |
| ENSAMEG00000007631 | SLC7A8 | 4.70  | 3.15  | 26.95  |
| ENSAMEG00000007695 | GLUL | 49.59  | 33.33  | 107.42  |
| ENSAMEG00000007766 | AKT1 | 42.09  | 48.67  | 119.75  |
| ENSAMEG00000007927 | ADSS1 | 6.08  | 5.61  | 21.32  |
| ENSAMEG00000008201 | ITIH3 | 70.00  | 0.89  | 4.70  |
| ENSAMEG00000008251 | COL6A3 | 108.63  | 22.20  | 19.84  |
| ENSAMEG00000008339 | SLC9A3 | 7.22  | 8.89  | 0.81  |
| ENSAMEG00000009890 | MEP1B | 0.42  | 0.30  | 0.03  |
| ENSAMEG00000010741 | COL5A1 | 164.01  | 70.03  | 27.16  |
| ENSAMEG00000010830 | ABAT | 1.54  | 0.24  | 2.78  |
| ENSAMEG00000010850 | CPB1 | 1384.42  | 10130.19  | 58653.41  |
| ENSAMEG00000010873 | CPA3 | 3.36  | 6.98  | 85.61  |
| ENSAMEG00000011626 | COL3A1 | 1507.61  | 384.23  | 37.74  |
| ENSAMEG00000011644 | COL5A2 | 87.79  | 27.43  | 11.66  |
| ENSAMEG00000011903 | COL1A1 | 1635.38  | 366.93  | 24.81  |
| ENSAMEG00000012067 | COL4A5 | 31.53  | 17.96  | 13.05  |
| ENSAMEG00000012108 | COL4A6 | 12.05  | 3.60  | 1.39  |
| ENSAMEG00000012170 | COL9A1 | 1.09  | 1.49  | 0.03  |
| ENSAMEG00000012943 | TIMP1 | 11.06  | 15.43  | 39.73  |
| ENSAMEG00000013732 | KCNK5 | 2.57  | 3.91  | 0.62  |
| ENSAMEG00000014368 | COL12A1 | 64.34  | 17.86  | 6.52  |
| ENSAMEG00000014526 | SERPING1 | 29.36  | 13.92  | 127.89  |
| ENSAMEG00000014546 | ENSAMEG00000014546 | 5012.02  | 18178.53  | 22717.17  |
| ENSAMEG00000015089 | XPNPEP2 | 2.72  | 0.62  | 0.57  |
| ENSAMEG00000015459 | SLC7A9 | 1.19  | 0.41  | 0.22  |
| ENSAMEG00000015644 | SERPINC1 | 19.12  | 0.28  | 1.19  |
| ENSAMEG00000015861 | SLC36A4 | 4.80  | 1.84  | 1.50  |
| ENSAMEG00000015921 | ACE2 | 0.79  | 0.37  | 6.62  |
| ENSAMEG00000016366 | COL28A1 | 8.04  | 1.09  | 6.02  |
| ENSAMEG00000016642 | COL4A1 | 419.22  | 215.24  | 51.15  |
| ENSAMEG00000016892 | COL4A2 | 237.97  | 147.84  | 53.17  |
| ENSAMEG00000017486 | COL1A2 | 908.39  | 230.97  | 27.03  |
| ENSAMEG00000017576 | CTRL | 247.25  | 961.87  | 7332.21  |
| ENSAMEG00000017991 | COL17A1 | 1.04  | 0.44  | 0.10  |
| ENSAMEG00000020287 | KCNE3 | 8.15  | 6.43  | 54.49  |